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In re Application of

Nelson

Application Number

08/833096

Filed

4/04/97

Paper No.

#14

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(12) **United States Patent**
Nelson et al.

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(45) **Date of Patent:** Feb. 15, 2005

(54) **BEAR DERIVED ISOLATE AND METHOD**

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(*) **Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 255 days.

(21) **Appl. No.:** 10/232,880

(22) **Filed:** Aug. 30, 2002

Related U.S. Application Data

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application No. 08/470,750, filed on Jun. 6, 1995, now
abandoned, which is a continuation-in-part of application
No. 08/259,788, filed on Jun. 14, 1994, now abandoned,
which is a continuation-in-part of application No. 08/079,
089, filed on Jun. 16, 1993, now abandoned.

(51) **Int. Cl.⁷** A61K 35/16

(52) **U.S. Cl.** 424/531; 424/543

(58) **Field of Search** 424/531, 543

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(57) **ABSTRACT**

A bear derived isolate found in denning black bears or black
bears from which food has been withheld for at least two
weeks when injected into another mammal produces
reduced heart rate, reduced respiratory rate, reduced
temperature, and a wakeful tranquility not unlike the phe-
nomena of the denning black bear. The isolate is taken from
either the serum or urine of such denning bear. The method
of the invention involves the steps of fractionating the serum
or urine of a denning black bear to produce fractions of
varying potency.

22 Claims, No Drawings